

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **02-169092**

(43)Date of publication of application : **29.06.1990**

(51)Int.Cl. C02F 3/00
C12N 1/20

(21)Application number : **63-320716** (71)Applicant : **MITSUBISHI MINING & CEMENT CO LTD**

(22)Date of filing : **21.12.1988** (72)Inventor : **WATANABE TETSURO**
HIRATA JUNICHIRO
MORIGUCHI HIROSHI

(54) IMMEDIATE-EFFECT UROLITH DISSOLVING AGENT

(57)Abstract:

PURPOSE: To rapidly remove the urolith, etc., deposited on a stool, etc., with the immediate-effect urolith dissolving agent by incorporating the specified amts. of glucose, ammonium chloride, and perfume into the microbial component consisting of microbes, a culture medium, and a carrier to prepare the agent.

CONSTITUTION: Water is added to the microbial component consisting of microbes, a culture medium, and a carrier, the materials are mixed at 25-28°C for 24-48hr, and the mixture is then dried by a vacuum drier, etc., to 5-6% final water content and powdered. From 20 to 50 pts.wt. of glucose, 1-5 pts.wt. of ammonium chloride, and 3-5 pts.wt. of perfume are incorporated into 100 pts.wt. of the powdered dry microbial component to prepare the immediate-effect urolith dissolving agent. The microbes include eight kinds of fungi, namely, Bacillus, Streptococcus, Aspergillus, Cellulomonas, Rhizopus, Nitrosomonas, Nitrobacter, and Pseudomonas.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

XP-002290039

AN - 1990-242757 [32]

AP - JP19880320716 19881221; JP19880320716 19881221; [Based on J02169092]

CPY - MISE

DC - D15 D16 D22

DR - 0038-U 1947-U

FS - CPI

IC - C02F3/00 ; C02F5/08 ; C12N1/20

MC - D09-B

PA - (MISE) MITSUBISHI MINING & CEMENT CO

PN - JP2169092 A 19900629 DW199032 000pp

- JP6088028B B2 19941109 DW199443 C02F3/00 006pp

PR - JP19880320716 19881221

XA - C1990-105021

XIC - C02F-003/00 ; C02F-005/08 ; C12N-001/20

AB - J02169092 Agent comprises mixt. of 100 pts.wt. bacteria composite, 20-50 pts.wt. glucose, 1-5 pts.wt. ammonium chloride and 3-5 pts.wt. perfume.

- (Claimed) The bacterial pref. contain at least eight micro-organisms including 10 power3-10 power12/g Bacillus, 10 power7-10 power 10/g Streptococcus, 10 power4-10 power12/g Aspergillus, 10 power7-10 power9/g Cellulomonas, 10 power4-10 power12/g Rhizopus, 10 power6-10 power9/g Nitrosomonas, 10 power7-10 power9/g Nitrobacter, and 10 power6-10 power10/g Pseudomonas.

- USE/ADVANTAGE - Used to remove stains from toilets, deodorising them and producing' an aroma. The bacteria propagate in the agent and decompose urine stains and ammonia.

- In an example, an agent was prepd. by mixing 60 pts.wt. bacteria, 25 pts.wt. soybean cake, 5 pts.wt. yeast extract, 5 pts.wt. malt extract, 25 pts.wt. CaCo3, and 1000 pts.wt. water, culturing them at 25 deg.C for 24 hrs., vacuum and spray-drying them to bacteria powders with 4-6 wt.% water and blending 3 pts.wt. perfume, 50 pts.wt. of glucose, and 5 pts.wt. ammonium chloride with 100 pts.wt. bacteria powders. (7pp Dwg.No.0/0)

IW - AGENT REMOVE URINE STAIN AMMONIA ODOUR TOILET COMPRISE BACTERIA COMPOSITE GLUCOSE AMMONIUM CHLORIDE PERFUME

IKW - AGENT REMOVE URINE STAIN AMMONIA ODOUR TOILET COMPRISE BACTERIA COMPOSITE GLUCOSE AMMONIUM CHLORIDE PERFUME

NC - 001

OPD - 1988-12-21

ORD - 1990-06-29

PAW - (MISE) MITSUBISHI MINING & CEMENT CO

TI - Agent used to remove urine stains and ammonia odour from toilets - comprises bacteria composite, glucose, ammonium chloride and perfume